

Message Text

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ACTION AID-59

INFO OCT-01 EUR-12 IO-13 ISO-00 SSO-00 NSCE-00 CCO-00 EB-08
IGA-02 FDRE-00 OES-06 DODE-00 COME-00 INT-05 /106 W
-----091501Z 086900 /40/46

O 081719Z MAR 77
FM AMEMBASSY BUCHAREST
TO SECSTATE WASHDC IMMEDIATE 2016
INFO USMISSION GENEVA IMMEDIATE

UNCLAS BUCHAREST 1639

C O R R E C T E D C O P Y - T E X T

E.O. 11652: N/A
TAGS: SWEL, EAID, RO
SUBJECT: EARTHQUAKE RELIEF EFFORT

REF: STATE 050145

1. FURTHER TO VIETS' CONFERENCE CALL WITH ANDREWS MARCH 8,
MINISTRY OF ELECTRICAL ENERGY TOLD EMBOFF THAT
USBS/NBS TEAM WOULD BE MOST WELCOME, AND THAT
GREATEST NEED IN ITS SECTOR WOULD BE FOR TEAM TO CHECK 6-8
MAJOR DAMSITES AND HYDROELECTRIC STATIONS FOR STRUCTURAL
FATIGUE AND RELIABILITY OF EXISTING INSTALLED PLANT AND
SITE MONITORING INSTRUMENTATION. MINISTRY OFFICIALS EXPECTED
EACH SITE CHECK MAY TAKE 4-5 DAYS AND OFFERED THE FOLLOWING
LIST, PREPARED IN ENGLISH, OF SPECIFIC EQUIPMENT NEEDS.
LIST SEEMS TO HAVE SEVERAL TYPOS, NOT ALL OF WHICH WE WERE
ABLE TO EDIT.

2. BEGIN TEXT: INSTRUMENTATION AND EQUIPMENT FOR CHECKING
TRANSDUCERS INCORPORATED IN EXISTING DAMS:

A. DIGITAL OHMMETER FOR CHECKING RESISTIVE STRAIN GAUGE
EQUIPMENT, CALIBRATED BETWEEN 30 - 1200 OHMS AS FULL OR HALF
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BRIDGE.

SPECIFICATIONS

- RESOLUTION 0.1 PERCENT
- MEASURING TIME LESS THAN OR EQUAL 1.7 S (TESTING TIME)
- TIME FOR ONE MEASURING CYCLE 3.75 (TESTING TIME FOR 1 EYELE)

- DISPLAY : 5 DIGITAL FIGURES
- PLUG FOR DIGITAL PRINTER (BCD CODE) AND DIGITAL ANALOG CONVERTOR
- POWER REQUIREMENTS : 110/220 V.A.C. (BATTERIES)
- OPERATION TEMPERATURE RANGE : -20 TR PLUS/MINUS 50 DEGREES C.
- WEIGHT 10 KG

B. PORTABLE COUNTER (BATTERY POWERED) FOR CALIBRATION OF
ELECTROACUSTIC TRANSDUCERS.

SPECIFICATION

- RESOLUTION : 100N S/N
- FREQUENCY RANGE : 10HZ - 250MHZ
- PERIOD RANGE : 100NS - 100S
- INPUT SENSITIVITY : 10MV - 4 V PP
- IMPUT IMPEDANCE : 1M OHM//25 PF
- WEIGHT : 5KG (BATTERIES INCL.)
- OUTPUT : BCD
- DIGITAL ANALOG CONVERER
- BASE TIME STABILITY 1.5 .10 MINUS 9 POWER/DAY
- IEC - BUS-LINE INTERFACE

C. LOW FREQUENCY GENERATOR (PORTABLE) BATTERY POWER

SPECIFICATIONS

- FREQUENCY 0.01 - 1 MHZ
 - SIGNAL SHAPE: SINUS AND SQUARE
 - STABILITY : 10 TO SIXTH POWER/DEGREE C.
 - NUMBER OF DIGITAL DISPLAY OF SYNTHESIZER : 4 RESOLUTION
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10 TO MINUS FOURTH POWER

- VOLTAGE OFOUTPUT: 10MV - 10VPP FOR Z OUTPUT
- 317-) 600
- OUTPUT: BCD
 - POSSIBILITY OF AUTOMATICAL TESTING PROGRAMMING

D. PORTABLE OSCILOSCOPE FOR CHECKING ELECTROACUSTIC TRANSDUCERS
(ALSO BATTERY POWER SUPPLY)

SPECIFICATIONS

- TWIN SPOTS
- WEIGHT 10 KG
- MAXIMUM FREQUENCY : 100 MHZ
- IMPUT IMPEDANCE : 1MOHM//15PF
- MEMORY
- SCREEN MORE THAN OR EQUAL TO 8 X 10 CM
- VERTICAL SENSITIVITY : 120MHZ/ 5MV PER CM

E. PORTABLE MULTIMETER FOR CHECKING CABLES, THERMAL RESISTANCES
AND RESISTIVE TRANSDUCERS

SPECIFICATION

RANGES: 200MV - 1 KVDC

200 MV - 1 KVAC

200 A - 2 A DC/AC

10 OHM - 10 M OHM FOR RESISTANCE

ACCURACY PLUS OR MINUS 0.1 PERCENT

OVERLOADING PROTECTION

INPUT IMPEDANCE 10 M OHM //100 PF

WEIGHT LESS THAN OR EQUAL 2 KG

3. FOR ADDITIONAL TRANSDUCERS TO BE INSTALLED IN EXISTING DAMS

1. CELL FOR MEASURING THE INTERSTITIAL WATER PRESSURE IN THE
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PORES OF THE CLAY CORE AND IN DRILLED HOLES (APPROX 200 PIECES)

MEASURING SCALES : 0 - BARS, 0 - 10 BARS

0 - 15 BARS, 0 - 25 BARS

SENSITIVITY 1/ 1000 OF GULL SCALE OF MEASURING

2. TOTAL PRESSURE CELL FOR MEASURING INTERGRANULAR
PRESSURES WITHIN THE CORE CLAY (APPROX 50 PIECES)

MEASURING SCALES: 0 - 10 BARS, 0-20 BARS, 0-25, 0-40

SENSITIVITY 1/100 OF FULL SCALE OF MEASURING

3. INCLINOMETER FOR MEASURING SLOPES WITHIN THE CLAY CORE
AND EMBANKMENTS (2 PIECES)

(RANGE: PLUS OR MINUS 30 DEGREE)

SENSITIVITY 10 TO THIRD POWER RADIAN

- PLASTIC CASING FOR INCLINOMETER PROFILES

WITH ACCESSORIES FOR SETTLING MEASUREMENTS

- LENGTH APPROX 5000 M

- POSITIONAL WELL FOR SETTLING MEASUREMENTS

IN INCLINOMETER DRILLINGS (2 PIECES)

SENSITIVITY 1 MM

- DIGITILT AND TERMINAL BOX FOR INCLINOMETERS (2 PIECES)

4. PORTABLE SEISMOLOGICAL EQUIPMENT

1. GEOPHONE TYPE L- 4 - 3 D (1HZ), TRIDIRECTIONAL,
OF VERY LOW FREQUENCY, WITH 250 M DOUBLEWIRE CABLE,
SCRUNED AND NEOPREN INSULATED (5 PIECES)
RANGE : 0.1 - 30 HZ

2. SEISMOLOGICAL STATION WITH 3 COMPONENTS AND
GEOPHONIC AMPLIFIER, AMPLIFIER FOR ANTENNA (5 PIECES)
GEOPHONIC AMPLIFIERS - SYMMETRICAL AND WITH TEMPERATURE DRIFT

AMPLIFICATION 1 - 100,000
STABILIZERS WITH A RANGE : 160 - 240 V
(50 HZ, A C)
FEEDER WITH CONVERTERS FROM THE ACCUMULATOR
SELECTORS
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QUARTZ CLOCK
RECORDING PAPER AND SPECIAL "BISON" INK

5. FYI: EMBOFF HAS APPOINTMENTS TOMORROW
WITH MINISTRY OF MINES, PETROLEUM AND GEOLOGY FOR DISCUSSION
OF SPECIFIC NEEDS FOR SEISMOLOGISTS AND GEOLOGISTS;
AND WITH CONSTRUCTION MINISTRY FOR DISPOSITION OF TEAM TO
MAJOR INDUSTRIAL OR CONSTRUCTION SITES. WE BEAR IN MIND
THAT LIST IN PARAS 2-4 ONLY REPRESENTS WISHES OF
ONE MINISTRY, AND THAT TEAM'S AVAILABILITY MAY BE LIMITED.
NEVERTHELESS, WE ALSO BELIEVE USGS/NBS SPECIALISTS
WILL FIND THESE DETAILED REQUESTS HELPFUL IN MATCHING THEIR
EXPERTISE TO ROMANIAN NEEDS.
BARNES

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: DISASTER RELIEF, FOREIGN ASSISTANCE, NATURAL DISASTERS, EARTHQUAKES, VISITS, CONSULTANTS
Control Number: n/a
Copy: SINGLE
Sent Date: 08-Mar-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977BUCHAR01639
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770143-1079, D770079-1014
Format: TEL
From: BUCHAREST
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770384/aaaacvnm.tel
Line Count: 195
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 333dfebb-c288-dd11-92da-001cc4696bcc
Office: ACTION AID
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
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Review Date: 09-Nov-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3181392
Secure: OPEN
Status: NATIVE
Subject: EARTHQUAKE RELIEF EFFORT
TAGS: SWEL, EAID, RO, US
To: STATE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/333dfebb-c288-dd11-92da-001cc4696bcc
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22 May 2009
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